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Page 2, line 4, after "and" insert --for--;

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Page 2, after line 22, and before "Other advantages and" insert the following heading at the left-hand margin: --**Brief Description of the Drawings**--;

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Page 2, after line 25, and before "For simplicity's sake,..." insert the following heading at the left-hand margin: --**Description of the Preferred Embodiments**--;

Page 7, after line 14, insert the following new paragraph:

A1

--While this invention has been described in conjunction with specific embodiments thereof, it is evident that many alternatives, modifications and variations will be apparent to those skilled in the art. Accordingly, the preferred embodiments of the invention as set forth herein, are intended to be illustrative, not limiting. Various changes may be made without departing from the true spirit and full scope of the invention as set forth herein and defined in the claims.--

IN THE CLAIMS:

Please cancel Claims 1-13 in their entirety and without prejudice.

Please substitute the following claims.

A2

1 15. An encryption circuit (1) for simultaneously processing various
2 encryption algorithms, the circuit adapted to be coupled with a host computer system
3 (HS), characterized in that the circuit comprises:
4 - an input/output module (2), for handling data exchanges between the host
5 system (HS) and the circuit (1) via a dedicated bus (PCI),
6 - an encryption module (3) coupled with the input/output module (2) said
7 encryption module controlling encryption and decryption operations, as well as
8 storage of all sensitive information (1) of the circuit; and